



6AH4-GT

MEDIUM-MU TRIODE

6AH4-GT

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage 6.3 ac or dc volts
Current 0.75 amp

Direct Interelectrode Capacitances (No external shield):

Grid to Plate 4.4 μ f
Input 7 μ f
Output 1.7 μ f

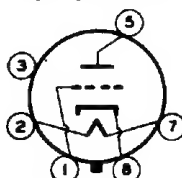
Characteristics, Amplifier Class A₁:

Plate Voltage 250 volts
Grid Voltage -23 volts
Amplification Factor 8
Plate Resistance 1780 ohms
Transconductance 4500 μ hos
Plate Current 30 ma
Grid Volts (Approx.) for plate
current of 0.5 ma -40 volts

Mechanical:

Mounting Position Any
Maximum Overall Length 3-5/16"
Maximum Seated Length 2-3/4"
Maximum Diameter 1-9/32"
Bulb T-9
Base Short Intermediate-Shell Octal 6-Pin
(JETEC No. B6-60)
Basing Designation for BOTTOM VIEW 8EL

Pin 1 - Grid
Pin 2 - Heater
Pin 3 - No
Conn.



Pin 5 - Plate
Pin 7 - Heater
Pin 8 - Cathode

VERTICAL DEFLECTION AMPLIFIER

Maximum Ratings, Design-Center Values Except As Noted:

For operation in a 525-line, 30-frame system[□]

DC PLATE VOLTAGE 500 max. volts
PEAK POSITIVE-PULSE PLATE VOLTAGE* 2000[•] max. volts
DC POSITIVE GRID VOLTAGE 0 max. volts
PEAK NEGATIVE-PULSE GRID VOLTAGE -200 max. volts

[□] As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations", Federal Communications Commission.

* The duration of the voltage pulse must not exceed 15% of one vertical scanning cycle. In a 525-line, 30-frame system, 15% of one vertical scanning cycle is 2.5 milliseconds.

[•] Under no circumstances should this absolute value be exceeded.

AUG. 1, 1953

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

TENTATIVE DATA

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CATHODE CURRENT:

DC 180 max. ma
Peak 60 max. ma

PLATE DISSIPATION 7.5 max. watts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode . 200 max. volts
Heater positive with respect to cathode . 200[▲]max. volts

Maximum Circuit Values:

Grid-Circuit Resistance 2.2 max. megohms

[▲] The dc component must not exceed 100 volts.

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